

1. Take out a piece of notebook paper.
2. Tape a washer securely to the paper about 1/3 of the way from the top of the paper.
3. Place a marble in the hole of the washer. (see demo set up on the front counter for help)
4. Pull the paper across the tabletop very quickly and then suddenly stop the paper.

Question 1: What happened to the marble when you stopped the paper?

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Question 2: Explain how what you saw happen with the marble demonstrated the law of inertia (Newton’s 1st law).

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1. Now tape a pencil securely to the paper about 1/3 of the way from the other end of the paper.
2. Reset your marble in the hole of the washer.
3. Quickly twist the paper using the pencil as your handle.

Question 3: What happened to the marble when you spun the paper very quickly?

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Question 4: Explain how what you saw happen with the marble demonstrated the law of inertia (Newton’s 1st law)